

1 infrastructure and advanced services.

2 This strategy is also appropriate for local
3 communities. We intend to propose solutions that will allow
4 local communities, educational institutions, and other
5 public entities to partner with the state on a voluntary
6 basis and share the benefit and burden of advanced broadband
7 service and infrastructure development.

8 Second, stimulating the demand and increasing
9 utilization by addressing the Information Technology
10 training and development needs of rural communities.
11 Building a competitive telecommunications infrastructure in
12 rural areas depends on growing demand by sophisticated
13 users. This requires community-based awareness,
14 organization, and training.

15 The NITC, in partnership with key stakeholders
16 drawn from the public and private sectors, has initiated a
17 coordinated effort of addressing the broadband spectrum of
18 IT training and development needs in rural communities.
19 Specific tasks include developing a database of IT
20 resources, performing a gap analysis of existing programs to
21 determine if additional resources are needed, and developing
22 strategies for focusing and addressing rural community needs
23 through collaborative and effective practices.

24 Third, addressing regulatory and institutional
25 barriers relating to the cost of advanced services. The

1 federal universal service fund provides discounts for
2 schools, libraries, and hospitals. However, many of our
3 public institutions report the process of filing for
4 applications is lengthy and cumbersome.

5 Additionally, federal and state USF formulas, as
6 well as regulatory issues such as cross-LATA [phonetic]
7 surcharges, are commonly identified as potential barriers to
8 eliminating the digital divide between rural and urban
9 Nebraska.

10 The NITC intends to address these barriers
11 through an active partnership with the FCC, Nebraska's
12 Public Service Commission, the telecommunications industry,
13 and other appropriate entities. We applaud the FCC for its
14 efforts to open critical channels of communication by
15 holding hearings such as these, and we look forward to
16 additional, mutually beneficial discussions regarding
17 universal service policy development.

18 Thank you.

19 (Applause.)

20 MR. JOHNSON: Thank you. If some of our visitors
21 would like to direct questions to Governor Maurstad, we
22 welcome you to do so at this time -- or wait until we're all
23 finished.

24 MS. ROE: Distinguished panel members and guests,
25 I appear before you today as a member of Iowa Governor

1 Vilsak's Strategic Planning Council. I chair the Council's
2 Technology Subcommittee.

3 The council intends to recommend to Governor
4 Vilsak in June that the State of Iowa, under the leadership
5 of the Iowa Utilities Board, should work with the public
6 sector to develop a comprehensive statewide strategic plan
7 to give all Iowans access to affordable high-speed broadband
8 services by 2005. The council believes that access to
9 affordable advanced telecommunication services, particularly
10 high-speed data services, has become critical for economic
11 growth, community development, and quality of life in Iowa.

12 High-speed data connections are increasingly a
13 necessity for Iowa businesses. It's becoming difficult to
14 attract new businesses to areas without access to such high-
15 speed connectivity or to convince existing businesses to
16 expand their operations in such areas. In fact, some
17 businesses may choose to relocate if such facilities are not
18 available at nationally competitive rates.

19 Similarly, as the Internet becomes an
20 increasingly efficient way to communicate, access
21 information, and make purchases, consumers are beginning to
22 perceive that high-speed data connectivity is no longer a
23 luxury, but a fundamental part of a quality lifestyle. Over
24 the next decade affordable high-speed data services could
25 contribute significantly to the revitalization of Iowa's

1 rural areas, which have suffered a steady loss of population
2 to larger metropolitan areas due to the demise of many
3 family farms and the loss of services in rural communities.

4 Such facilities could attract new businesses,
5 permit rural residents to work for distant employers or
6 start their own e-businesses, and increase their quality of
7 life. However, high-speed data services currently are not
8 widely available in Iowa at affordable rates.

9 Iowa has good news and bad news with regard to
10 deployment of high-speed data facilities and services. The
11 good news is that Iowa led the nation in connecting schools
12 and libraries to broadband services by building the Iowa
13 Communications Network beginning in 1993. The ICN provides
14 voice, video, and data service to K-12 schools, colleges and
15 universities, libraries, state and federal government
16 offices, and medical facilities at rates that cover costs,

17 But the role of the ICN is strictly circumscribed
18 in order to limit competition with the private sector.
19 Although the ICN's fiber facilities pass within 15 miles of
20 every Iowa home and business, the ICN is forbidden by law
21 from making its services or facilities available to such
22 potential customers even if no other private provider is
23 able to do so at a reasonable cost. In fact, the ICN may
24 not even make its facilities available to private
25 telecommunications providers. As a result, the full

1 potential of the ICN infrastructure is not being utilized.

2 Another piece of good news and bad news is that
3 high-speed, high-capacity information superhighways serving
4 this nation criss-cross Iowa from east to west and north to
5 south, but there are no on-ramps or off-ramps in Iowa for
6 access. The entire state is webbed with broadband networks
7 that reach into every county but are not connected. This
8 infrastructure also lacks the connections for the last mile
9 to the home, the switches and transmission equipment to
10 extend high-speed Internet service to every home and
11 business.

12 Iowa is largely a dial-up 56K modem state, a
13 method of transmitting data that is increasingly viewed by
14 consumers as unacceptably slow. About 13 percent of Iowans
15 currently have high-speed broadband access to the Internet
16 at home, although that number is growing. In fact,
17 anecdotal evidence suggests that affordable high-speed
18 broadband services are increasingly available in large
19 metropolitan areas, as indicated by growing customer
20 subscriptions, but outside of those metro areas high-speed
21 broadband services either are not currently offered or
22 appear to be offered at prices that exceed what many
23 businesses and consumers are willing or able to pay,
24 although prices vary with technology and location.

25 There is cause for cautious optimism. Many

1 private providers in Iowa believe that these high-speed
2 services will eventually become available at more affordable
3 rates as consumer demand grows and prices fall, even in
4 rural areas.

5 Some believe that wireless systems hold great
6 promise for providing affordable service in small population
7 centers, but other providers believe that many rural areas
8 of Iowa lack the critical mass of customers to attract new
9 infrastructure investments that would bring advanced
10 services to all areas of the state.

11 As a result of these findings, the Governor's
12 Strategic Planning Council intends to adopt the
13 recommendation that the state work with the private sector
14 to develop a comprehensive statewide strategic plan to give
15 all Iowans access to affordable high-speed broadband
16 services by 2005. Governor Vilsak has already opened a
17 dialog with private telecommunication providers to explore
18 these issues, but these discussions have just begun and it
19 is far too early to be able to offer the joint conference
20 any insight into how this might be accomplished.

21 Our challenge is to build a partnership with the
22 private sector to allow market forces and private initiative
23 to push deployment of these services and facilities as far
24 as possible, and formulate strategies and policies to fill
25 the gap to make it possible for all Iowans to join the

1 information age. We look forward to sharing our strategic
2 plan with you when it is finalized.

3 (Applause.)

4 MR. HILSABECK: While my day-to-day position is
5 with the ALLTEL Corporation, I'm here today representing the
6 Nebraska Information Network, or NIN, which is an
7 association of telephone companies in Nebraska who serve
8 rural communities, and that's every telephone company in
9 Nebraska.

10 The mission of NIN is to ensure that the
11 capabilities of the information superhighway extend to the
12 rural areas of the state, thereby enhancing their economic
13 development opportunity, providing access to government,
14 education, and health care. NIN is financed through an
15 annual operating budget that's funded by telephone company
16 dues.

17 Members of the Nebraska telephone industry are
18 very concerned about the future well-being of our rural
19 communities. To a great extent, the economy presently --
20 and most certainly the economy of the future -- is dependent
21 upon the ability to share information worldwide at high
22 speed band with capacity. The telephone industry has been
23 well aware of this from the time public use of the Internet
24 began. We have been innovative and aggressive in providing
25 local access to the Internet.

1 Currently over 99 percent of Nebraska's telephone
2 customers can access the Internet with a local call, and
3 over 90 percent have Internet access at 56K speeds. As has
4 been suggested earlier, however, that is rapidly becoming
5 somewhat unacceptable among more sophisticated customers.

6 This significant achievement is in part
7 attributable to the desire of Nebraska's companies to work
8 with the communities we've served for decades to create a
9 win-win situation. It is our belief that a healthy
10 community economically and socially is a prerequisite to
11 having a healthy telephone company. It is also due in part
12 to the climate in Nebraska where state government took a
13 broad view of their role and saw themselves as partners with
14 the citizens of the state.

15 For example, in the early part of the decade of
16 the '90s, Nebraska state government people initiated a
17 dialogue with the industry on future government bandwidth
18 needs. We also discussed how state needs could be
19 integrated with private needs to reach the economies of
20 scale that would foster the development by the industry of a
21 high-speed data network that all sectors of the economy
22 could use. Out of this joint planning came the nation's
23 first statewide frame-relay or packet-switching network.

24 The incentive for the Nebraska telephone industry
25 to make the investment in a faster data network as well as

1 the deployment to an all digital switching system in a fiber
2 backbone transport network actually began with the passage
3 of LB 835, a bill that was passed by the Nebraska
4 legislature in 1986 while Senator Kerrey was then governor.
5 With LB 835 providing an enlightened regulatory framework
6 which included pricing flexibility, the telephone industry
7 was able to focus on technology and customer service.

8 We have shown that private industry has the
9 flexibility and capacity to respond to changes to technology
10 in the marketplace at a rate that is unmatched in the public
11 sector. Having a frame-relay network in place was a key to
12 our industry's rapid rollout of local Internet access for
13 all sectors of the economy. In highly rural environments,
14 aggregation of market demand is a key element in keeping
15 citizens and customers on the digital playing field.

16 I would be remiss if I did not mention the
17 importance of subsidies in keeping the rural areas of our
18 state on board as the digital world moves faster and faster.
19 Those funding incentives need to be continued as we deploy a
20 public switch network with greater speeds and greater
21 bandwidth. The telephone industry in Nebraska and
22 throughout the country has been diligent in making wise use
23 of these subsidies for our rural areas for many years.

24 The larger remaining issue we need to solve is
25 the issue of broadband availability to customers in low-

1 density population areas of the state. Just being able to
2 provide broadband access anywhere in the state on an as-
3 needed basis is not adequate. Without appropriate funding
4 incentives the concentration of customers in rural
5 environments is insufficient to economically support the
6 investment for fiber to the home for digital subscriber line
7 technology on an economic basis.

8 The telephone industry in Nebraska can provide
9 the desired bandwidth to specific locations on an as-needed
10 basis. The digital divide exists only when we think of
11 higher-speed access to the Internet as a universal service
12 item, namely that it can be requested like dial tone at any
13 location at any time, and then the digital divide exists
14 only in the smaller communities of the state or in the case
15 of a farm or ranch or an acreage that may be anywhere from
16 two miles to 70 miles from a community or from a telephone
17 change switch.

18 In the case of smaller communities, the Nebraska
19 telephone industry is making progress in deploying digital
20 subscriber-line technology on an as-needed basis. However,
21 the accelerate the deployment of XDSL to the degree
22 approaching universal availability within the next three to
23 five years, financial investment incentives are needed.

24 In any state where there is a disproportionate
25 amount of rural geography and rural customers relative to

1 the urban population centers, funding of these incentives at
2 the state level will be difficult, particularly in the near
3 future. States like Nebraska are still dealing with the
4 damaging effects of shifts in the universal service funding
5 program. If these issues are as important and pervasive as
6 public officials suggest, including President Clinton, then
7 the federal government needs to step up to the plate with
8 appropriate funding mechanisms.

9 What does not work is the disaggregation of
10 market demand through placement of publicly owned facilities
11 by providers to deploy services only to larger customers in
12 rural communities. It is the goal of the Nebraska telephone
13 industry with funding incentives in place to eliminate the
14 digital have-nots without creating the digital never will-
15 haves.

16 Separate networks deployed in a rural environment
17 are of concern for several reasons, whether they are
18 publicly or privately owned. These separate networks undo
19 the market aggregation needed to support a robust,
20 sophisticated public-switch network. Further, the providers
21 of these separate networks often lack funding to keep the
22 technology current and the staff to maintain the technology
23 and the network on a ubiquitous basis.

24 We're proud of the leadership of our elected
25 officials on telecommunication issues in Nebraska. We're

1 proud of the telephone industry and the work they've done.
2 We look forward to continuing this discussion today on this
3 panel and to the other panels as they take place later in
4 the afternoon.

5 (Applause.)

6 MR. JOHNSON: Patty Anderson.

7 MS. ANDERSON: Thank you.

8 Hawarden is a small, rural farming community of
9 about 2,500 and is located 40 miles north of Sioux City,
10 Iowa. Hawarden owns its own water, sewer, electric for 100
11 years, gas for 50 years, cable TV, telephony, and soon to be
12 Internet utility. Our economy is mainly dependent upon
13 existing businesses and agriculture.

14 In the early 1990s the Hawarden City Council
15 began assessing the community as a whole, making plans of
16 improving existing utilities and the possibility of forming
17 new cable TV, telephony, and Internet utilities as requested
18 by citizens. The questions were asked, how long would our
19 businesses, schools, library, and hospital survive without
20 advanced technology and other services, and where do we want
21 to be in five to ten years?

22 Citizens had already made capital investments in
23 those areas. Now they needed to ensure a technological
24 future.

25 Our state has implemented an Iowa Access Network

1 program in our counties' geographical information system to
2 give citizens easy access to many state and county programs
3 and departments. We wanted reliable and easy access to
4 those networks too. With that in mind, Hawarden planned and
5 engineered a broadband state of the art high-bred fiber and
6 coaxial cable or HFC system to bring advanced communications
7 and information services to the City of Hawarden.

8 HFC systems offer the latest technology
9 opportunities and combines light-transmitting fiber optics
10 with the most advanced coaxial cable product available to
11 bring today's and tomorrow's technologies. This system is
12 capable of providing up to 80 cable TV channels, multiple
13 telephony lines, high-speed Internet, and future
14 technological capabilities.

15 From 1994 through 1999, Hawarden began forming a
16 communications utility called High Tech. Hawarden
17 integrated technology, energy, and communications, built an
18 HFC system and in October of '97 successfully offered cable
19 TV to 845 subscribers. There are 960 homes in Hawarden.

20 Hawarden formed a partnership with Pioneer
21 Holdings, who is a joint venture of Longlines [phonetic],
22 Limited, MCI Worldcom, and Northwest Iowa Power Cooperative
23 for telecommunications services. Hawarden also made plans
24 of serving city or rural areas with Northwest Rural Electric
25 Cooperative, who has an innovative wireless Airspan product.

1 Hawarden faced major legal and legislative
2 challenges in the process of forming its telephony utility.
3 On October 20, 1998, Hawarden turned on its telephony
4 utility, only to be shut down the very next day due to an
5 unfavorable Iowa Supreme Court ruling. Through Alwers
6 [phonetic] law firm, Ivan Webber [phonetic] asked that
7 Hawarden's case be reheard, and we supported a bill
8 introduced by the Iowa Association of Municipal Utilities to
9 ensure the ability to operate.

10 At the end of March of '99, months later and
11 after spending \$300,000 in legal and legislative efforts and
12 losing contracts, Hawarden for the second time began turning
13 on telephony lines. Currently, High Tech has 1,200
14 telephony lines on and has been testing a high-speed
15 Internet product produced by Tel Labs, which offers up to
16 2,000,000 bits per second, scheduled to be offered in June
17 of 2000.

18 Hawarden never set out to gain this kind of
19 attention. We were only trying to find a solution to
20 problems and to ensure the city's economical, technological,
21 educational viability, because no one else was willing to
22 make this kind of an investment. As a result, Hawarden's
23 project has caused other providers to make promises and
24 improvements in their systems in other communities.

25 Hawarden's project can also be replicated

1 throughout the country to give both rural and urban
2 communities the same advantages. We feel we have eliminated
3 what we think the digital divide is.

4 Thank you.

5 (Applause.)

6 MR. JOHNSON: Thank you, all panelists, for your
7 presentations showcasing the activities you've been in.

8 CHAIRMAN KENNARD: Thank you all for those really
9 interesting presentations.

10 I thought that I would highlight a couple of
11 things that would be very useful for us as we take this
12 record that we develop here back to Washington and shape it
13 into the report to Congress.

14 What we're looking for are success stories. So
15 many times people come up to me and they say, Mr. Chairman,
16 what are you going to do to make sure that rural America is
17 not left behind in the analog dark ages as we move into the
18 digital future? And what I always tell people is that,
19 Well, the answer to that lies in rural America because there
20 are things that are happening -- and we just heard about a
21 couple of them just now -- that hold the real promise for
22 making sure that rural communities are connected.

23 I've spent enough time in rural parts of the
24 country now to know that there are things that work. I've
25 seen communities step up to this challenge, companies step

1 up to this challenge and deploy advanced services, state of
2 the art wireless DSL, cable modems that are connecting
3 people to the network at very high speeds. The challenge
4 here as in other areas, education and elsewhere, is how to
5 bring them up to scale.

6 So it would be very useful for us to hear two
7 things. One is what are the success stories, what is
8 working? We just hear about Hawarden, which is a delightful
9 example of how technology is working well in a rural
10 community. So tell us the success stories: what is the
11 formula for success? But second, tell us what we can do to
12 replicate that success on a nationwide basis?

13 And I also hope that we get some opportunity
14 before the end of the day to hear from many people in the
15 audience -- because I suspect that there are a lot of
16 success stories that we'll hear about if we get to that
17 point.

18 Thank you.

19 MR. JOHNSON: Anyone else?

20 SENATOR KERREY: Frank, could you comment on the
21 Hawarden model, as to whether or not that has applicability
22 in other, smaller communities in Nebraska.

23 MR. HILSABECK: Well, certainly I think it's an
24 interesting concept. What I don't know -- subject to the
25 topic of that, you know, is what's the cost, what's the tax

1 structure, what's the financial support that has brought
2 this to that community? You know, I don't know, again, the
3 demographic makeup of the community; I don't know how far
4 some of the rural customers are, what has to be done
5 financially to make this all work.

6 Again, I don't think -- it doesn't particularly
7 sound to me like anything that couldn't be done probably by
8 the telecommunications industry, were it being done today.
9 I think what she said was that no one was paying any
10 attention to them and so they decided to do it themselves.

11 SENATOR KERREY: I think what she said was it
12 wasn't being done, and since it's been done in Hawarden,
13 it's now being done in other communities by private
14 companies.

15 Patty, can you provide any information on the
16 cost structure, what it costs a residential or a business
17 user?

18 MS. ANDERSON: For our total project it cost
19 about 4.6 million to install a fiber backbone with coaxial
20 cable throughout the community and build a central office
21 that houses our cable, telephony, and Internet equipment.

22 SENATOR KERREY: What does a business or
23 residential user pay?

24 MS. ANDERSON: For telephony?

25 SENATOR KERREY: Yes.

1 MS. ANDERSON: The residential rates are \$11.05
2 plus taxes, of course, and a business rate is \$28.15 plus
3 taxes.

4 SENATOR KERREY: Well, I'm referencing my book,
5 and just looking at Beatrice in Gage County, ALLTEL's \$17.50
6 for residential and \$37.55 for business, so that's certainly
7 competitive on price. How did that happen?

8 (General laughter.)

9 MR. HILSABECK: I certainly wouldn't disagree
10 with that at all. I'm sure the City of Hawarden probably
11 has a little different profit motive, but, you know, I don't
12 know that much about it.

13 CHAIRMAN KENNARD: Patty, are there any
14 competitors that have moved into the marketplace to try to
15 sell the customers?

16 MS. ANDERSON: In Hawarden, when we began this US
17 West owned the telephone exchange. Hawarden of course built
18 a system and US West in the meantime has sold the existing
19 system to Hickory-Tek [phonetic] out of Minnesota, so
20 there's the two of us here -- the two of us in Hawarden
21 offering competitive services.

22 But as far as a third entity moving in the
23 community, no.

24 SENATOR KERREY: May I ask another question?
25 Does somebody else want to jump in here?

1 Governor Maurstad, as I've said, we've done this
2 inventory of all 93 Nebraska counties trying to assess where
3 we are today, and one of the things -- and again, as I've
4 said, I can't really ask the question about enhanced
5 services or lack of enhanced services, and I do take Frank's
6 point about making certain they don't create digital have-
7 nots at all rather than solving the digital divide problem.

8 But about the only thing that really jumps out at
9 me is the possibility that we've got this e-rate fund
10 structured wrong, and I do think that part of the answer to
11 the question for Hawarden may be that we have the universal
12 service structure wrong as well or insufficiently funded or
13 some such thing as that. I don't know. But on the e-rate
14 it does stand out.

15 We've got, in Beatrice for example, Beatrice got
16 about \$45,000 a year. Omaha gets about a million dollars a
17 year. Grant County, which actually is one of the poorer
18 counties, 89th ranking in the state total, got no e-rate
19 assistance at all. Now, that's a community with 273
20 residential lines and 104 business lines. That's a tough
21 community to serve. Consolidated serves them. That's a
22 very tough problem to solve when you're talking about that
23 small of a number.

24 And I'm wondering if you've looked at either the
25 universal service fund and how it works, and/or the e-

1 rate -- whether the e-rate structure and the funding is
2 wrong as well. We just -- again, we were at Bayard and
3 Bayard went through this hellish experience of trying to get
4 funded, and it cost them about \$1,800. Well, \$1,800 is not
5 much to Omaha, but in Bayard, with the \$2 million budget,
6 it's an awful lot of money. It meant being able to buy a
7 couple of computers.

8 And so I wondered if you've looked at the e-rate
9 formula and/or the universal service fund.

10 MR. HILSABECK: I'm not aware that we've looked
11 at the e-rate formula, and I wrote a note to myself earlier
12 when that subject was brought up. At least I'm not aware
13 that we have, and if we have I'll make sure that the
14 appropriate individuals provide you that information.

15 Relative to the universal service fund,
16 obviously, like everybody west of the Mississippi River,
17 we're concerned about what occurred in the first round of
18 grants and decision making, and it's hopeful that some
19 improvement can be made relative to that concern, even to
20 the extent that the issue will come forward again in the
21 second round, which will still probably put many in Nebraska
22 that are in non-metropolitan areas that are served by
23 telecom that are involved in metropolitan areas, which most
24 of our state would fall under that, we may be shut out again
25 in the second round.

1 And so we certainly feel that there needs to be
2 an additional category developed that would be more
3 appropriate for states like Nebraska.

4 SENATOR KERREY: Can you tell us about the first
5 round of universal service funding?

6 CHAIRMAN KENNARD: Yes, I'd be happy to.

7 First of all, let me talk a minute about the e-
8 rate, because Betsy mentioned something that -- what I heard
9 you say was some frustration about not being able to use
10 that e-rate funded network for the ICN, and that was an
11 issue that we grappled with a lot at the FCC. We -- I spoke
12 with Senator Harkin -- and Governor Branstad set up an
13 office, and I talked to him -- and they made a very
14 passionate pitch to me and my colleagues at the FCC to use
15 e-rate funding to help build the ICN. And nobody disagreed
16 with them as a matter of policy.

17 It's like Mom and apple pie. Why wouldn't you
18 want to have e-rate funding extended to fund non-profit
19 organizations and colleges and universities and a statewide
20 network? The problem is the law. We ran right into a brick
21 wall. The legislation just didn't give us the flexibility
22 to do that.

23 Now, three years into the e-rate program we know
24 that the formula works. The formula that Senator Kerrey and
25 his colleagues came up with when they drafted the amendment

1 that became the e-rate provision has some sort of universal
2 features that are working very well for the country.

3 One, it's a competitive bidding process so the
4 money is used efficiently. It is a matching program so that
5 the local schools have to come up with some of the money in
6 order to fund it, and it's universal. It applies to
7 everyone but it's targeted for the most financially
8 distressed communities.

9 We know this formula works. Why not extend it to
10 networks that will serve universities that don't have
11 technology, and non-profit organizations, community-based
12 groups that will drive technology deeper into our
13 communities. So that is one thing that I would like us to
14 address in this 706 report to Congress. We've made over a
15 \$6 billion investment in this effort. We know it works.
16 Let's build on that success.

17 Now, to address the Lt. Governor's concern about
18 universal service funding, we are embarked at the FCC on --
19 probably our most difficult challenge right now is
20 restructuring the whole universal service funding mechanism,
21 and thankfully, we had a lot of help from our colleagues in
22 the states, but it's really very difficult.

23 The challenge is -- and it's an age-old question
24 that we come back to, what is the role of government in
25 helping to build out this network? I would like us to

1 address that question in a very 21st century way and look at
2 universal service funding in ways that allow us to use the
3 best state of the art technology to drive this broadband
4 technology into our communities. And by that I mean we've
5 got to ensure that this money, which is a very limited
6 resource, is used most efficiently.

7 That means if it means funding a wireless company
8 that can bring telephone service and advanced services to
9 rural communities, or a satellite technology, we've got to
10 fund it. We've got to break out of the mold of thinking
11 that universal service is only a wire line centric funding
12 mechanism, because if we don't, we're living in the dark
13 ages because technology is going to solve these problems of
14 rural deployment a lot easier.

15 So I think the challenge to all of us as we move
16 into this next phase of universal service funding is how do
17 we make this mechanism work with technology most
18 efficiently? And I invite all of you to answer that
19 question, hopefully the panelists and people in the
20 audience.

21 MR. KENNARD: We have completed 45 minutes of
22 presentation by this panel --

23 MS. SANFORD: If I may ask one question -- and
24 this panel is the perfect one to ask it of, I believe. Are
25 arguments offered in opposition to either progressive or

1 aggressive government support of broadband deployment back
2 in my home state include the argument that they may not come
3 if we build it -- sort of the Field of Dreams argument that
4 has gotten a fair amount of play.

5 I would be very interested in your response --
6 any panelist's response to that argument, either supportive
7 or contradictory based upon your experience.

8 MR. HILSABECK: Who's building it?

9 MS. SANFORD: Well, the proposals back home vary
10 at this point from proposals for incentives in the form of
11 tax credits offered by the government to surcharges on
12 telephone bills to provide a fund for aggregation or
13 whatever, but if we could just assume a generic -- also to
14 amendment of our act which prohibits government provision
15 of -- government interference in private industry.

16 If we are debating an aggressive government
17 program which supports deployment, perhaps through a variety
18 of means, and without regard to what the specific means are,
19 what do you think about the argument that we shouldn't be so
20 concerned or we shouldn't move too quickly because they may
21 not come even if we build it, we being private or public.

22 MR. HILSABECK: Well, I think from my perspective
23 and tying in a little bit with what Chairman Kennard asked,
24 I think one of the things that we need to be particularly
25 cognizant of as we think about how we administer the

1 subsidies and incentives -- call it what you want -- is
2 making sure that whoever is the recipient of those universal
3 service subsidies is in fact providing universal service.

4 It doesn't particularly serve, it seems to me,
5 anyone to provide subsidies to someone who wants to come to,
6 say, the metropolitan area of Omaha and provide a downtown
7 network to Peter Hewitt [phonetic] & Sons and other large
8 businesses. It seems to me that if you want to deploy
9 service in rural areas, much the same as took place in 1934
10 when they passed the Communications Act, it called for
11 universal service, and we had a system of subsidies -- if
12 you want to do the same thing today, some 60-70 years later,
13 you've got to make sure that the people who receive the
14 subsidies are in the fact the people who are providing
15 universal service so that it's not just large business
16 customers and it's not just schools, it's not just libraries
17 and health care providers. It's the rural community. It's
18 farmers and ranchers who need access probably more so today
19 than they did a number of years ago, and you need to make
20 sure that those people and the people who serve them are the
21 ones who receive the subsidies.

22 Now, that can be a telephone company; it can be
23 anyone. It just can't be a company who selectively targets
24 the markets that they want to serve and want to be
25 subsidized in order to do that.